

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

Claims 1-38 (canceled)

Claim 39 (Currently amended): A method of treating subject susceptible to infection by an infectious agent selected from the group consisting of fungi, unicellular parasites, multicellular parasites, and viruses comprising:

administering a therapeutically effective amount of a compound or a tautomer, ester or amide of the compound, or a pharmaceutically acceptable salt of the compound, tautomer, ester or aide, wherein the compound corresponds in structure to Formula I:



wherein:

R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of hydrogen, substituted and unsubstituted alkyl, substituted and unsubstituted hydroxyalkyl, substituted and unsubstituted alkenyl, substituted and unsubstituted alkynyl, substituted and unsubstituted aryl, substituted and unsubstituted acyl, substituted and unsubstituted cycloalkyl, substituted and unsubstituted aralkyl, substituted and unsubstituted heterocyclic radical, halogen, OX<sub>1</sub> and OX<sub>2</sub>;

X<sub>1</sub> and X<sub>2</sub> being independently selected from the group consisting of hydrogen, substituted and unsubstituted alkyl, substituted and unsubstituted hydroxyalkyl, substituted and unsubstituted alkenyl, substituted and unsubstituted alkynyl, substituted and unsubstituted aryl, substituted and

unsubstituted acyl, substituted and unsubstituted cycloalkyl, substituted and unsubstituted aralkyl, substituted and unsubstituted heterocyclic radical;

A is a 3-9 carbon moiety selected from the group consisting of alkylene radical, alkenylene radical, and hydroxyalkylene radical, wherein A includes a straight chain of at least two carbon atoms between the nitrogen atom and the phosphorus atom of general formula (I); and

R<sub>3</sub> and R<sub>4</sub> are independently selected from the group consisting of hydrogen, substituted and unsubstituted C<sub>1-26</sub>-alkyl, substituted and unsubstituted hydroxy-C<sub>1-26</sub>-alkyl, substituted and unsubstituted aryl, substituted and unsubstituted acyl, substituted and unsubstituted aralkyl, substituted and unsubstituted C<sub>1-26</sub>-alkenyl, substituted and unsubstituted C<sub>1-26</sub>-alkinyl, substituted and unsubstituted cycloalkyl, substituted and unsubstituted heterocyclic radical, halogen, OX<sub>3</sub> and OX<sub>4</sub>;

X<sub>3</sub> and X<sub>4</sub> being independently selected from the group consisting of hydrogen, substituted and unsubstituted C<sub>1-26</sub>-alkyl, substituted and unsubstituted hydroxyl-C<sub>1-26</sub>-alkyl, substituted and unsubstituted aryl, substituted and unsubstituted acyl, substituted and unsubstituted aralkyl, substituted and unsubstituted C<sub>1-26</sub>-alkenyl, substituted and unsubstituted C<sub>1-26</sub>-alkinyl, substituted and unsubstituted cycloalkyl, substituted and unsubstituted heterocyclic radical, silyl, a metal of the first, second or third main group of the periodic table, ammonium, substituted ammonium, ammonium salt of ethylene diamine and ammonium salt of an amino acid.

Claim 40 (Canceled)

Claim 41 (Previously presented): A method of treating a subject susceptible to infection by an infectious agent according to claim 46, wherein:

R<sub>2</sub> is a substituted or unsubstituted acyl;

R<sub>3</sub> is selected from a group consisting of hydrogen, methyl and ethyl;

R<sub>4</sub> is selected from a group consisting of hydrogen, methyl, ethyl and OX<sub>4</sub>;

X<sub>4</sub> being selected from hydrogen, sodium, potassium, methyl and ethyl; and

A is a 3 carbon moiety selected from the group consisting of alkylene radical, alkenylene radical, and hydroxyalkylene radical.

Claim 42 (Previously presented): A method of treating a subject susceptible to infection by an infectious agent according to claim 41, wherein:

X<sub>1</sub> is hydrogen;

R<sub>2</sub> is selected from formyl and acetyl; and

A is selected from propenylene and hydroxypropylene.

Claim 43 (Canceled)

Claim 44 (Currently amended): A method of treating a subject susceptible to infection by an infectious agent according to ~~claim 43~~ claim 39, wherein:

the infectious agent has the potential to produce a malarial infection in a human subject.

Claim 45 (Canceled)

46. (Currently amended) A method of treating subject susceptible to infection by an infectious agent selected from the group consisting of fungi, unicellular parasites, multicellular parasites, and viruses comprising:

administering a therapeutically effective amount of a compound or a tautomer, ester or amide of the compound, or a pharmaceutically acceptable salt of the compound, tautomer, ester or aide, wherein the compound corresponds in structure to Formula I:



wherein:

R<sub>1</sub> is OX<sub>1</sub>;

R<sub>2</sub> is independently selected from the group consisting of hydrogen, substituted and unsubstituted alkyl, substituted and unsubstituted hydroxyalkyl, substituted and unsubstituted alkenyl, substituted and unsubstituted alkynyl, substituted and unsubstituted aryl, substituted and unsubstituted acyl, substituted and unsubstituted cycloalkyl, substituted and unsubstituted aralkyl, substituted and unsubstituted heterocyclic radical, halogen, and OX<sub>1</sub> and OX<sub>2</sub>;

X<sub>1</sub> and X<sub>2</sub> being independently selected from the group consisting of hydrogen, substituted and unsubstituted acyl, substituted and unsubstituted alkyl, substituted and unsubstituted aryl, substituted and unsubstituted aralkyl, substituted and unsubstituted cycloalkyl, substituted and unsubstituted heterocyclic radical;

A is a 2-9 carbon moiety selected from the group consisting of alkylene radical, alkenylene radical, and hydroxyalkylene radical, and includes a straight chain of at least two carbon atoms between the nitrogen atom and the phosphorous atom of Formula (I);

R<sub>3</sub> and R<sub>4</sub> are independently selected from the group consisting of hydrogen, substituted and unsubstituted C<sub>1-26</sub>-alkyl, substituted and unsubstituted hydroxy-C<sub>1-26</sub>-alkyl, substituted and unsubstituted aryl, substituted and unsubstituted acyl, substituted and unsubstituted aralkyl, substituted and unsubstituted C<sub>1-26</sub>-alkenyl, substituted and unsubstituted C<sub>1-26</sub>-alkynyl, substituted and unsubstituted cycloalkyl, substituted and unsubstituted heterocyclic radical, halogen, OX<sub>3</sub> and OX<sub>4</sub>;

X<sub>3</sub> and X<sub>4</sub> being independently selected from the group consisting of hydrogen, substituted and unsubstituted C<sub>1-26</sub>-alkyl, substituted and unsubstituted hydroxyl-C<sub>1-26</sub>-alkyl, substituted and unsubstituted aryl, substituted and unsubstituted acyl, substituted and unsubstituted aralkyl, substituted and unsubstituted C<sub>1-26</sub>-alkenyl, substituted and unsubstituted C<sub>1-26</sub>-alkynyl, substituted and unsubstituted cycloalkyl, substituted and unsubstituted heterocyclic radical, silyl,

a metal of the first, second or third main group of the periodic table, ammonium, substituted ammonium, ammonium salt of ethylene diamine and ammonium salt of an amino acid.